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PORTABLE COMPUTER AND BASE MEMBER RECEIVING ARRANGEMENT

BACKGROUND OF THE INVENTION

1. Field of the Invention

5 The present invention relates to a portable computer and base member receiving structure and more particularly, to a tablet PC and base member receiving structure, which enables the tablet PC to be locked to the base member when received thereto.

2. Description of Related Art

10 A portable computer, for example, a tablet PC may be used with a base member having a keyboard, so that the user can selectively use the digital induction pen of the tablet PC or the keyboard of the base member for data entry, forming a dual-usage portable computer.

 A portable computer of this design is highly portable and convenient
15 for use anywhere. However, because the portable computer and the base member are separately devices, it is not convenient to carry and receive the portable computer and the matching base member.

 Therefore, it is desirable to provide a portable computer and base member receiving arrangement that eliminates the aforesaid problem.

20 SUMMARY OF THE INVENTION

 The present invention has been accomplished under the circumstances in view. It is the main object of the present invention to provide a portable computer and base member receiving arrangement, which enables the portable computer to be closely attached to the base

member and locked in position for carrying and storage conveniently

To achieve this and other objects of the present invention, the portable computer and base member receiving arrangement comprises a base member and a portable computer. The base member comprises a top face, a front side, a rear side, a left side, a right side, at least one stop flange respectively protruded upwardly from the top face adjacent to the rear side, the at least one stop flange each having a protruded retaining portion transversely protruding in direction toward the front side, and a swinging retainer plate fastened pivotally on the front side and upwardly turnable toward the top face, the swinging retainer plate having at least one retaining rod, which is respective suspended above the top face when turned the swinging retainer plate toward the top face. The portable computer comprises a display face, a front peripheral side, a rear peripheral side, at least one recessed locating hole disposed in the rear peripheral side corresponding to the protruded retaining portion of the at least one stop flange of the base member, and at least one retaining hole formed in the front peripheral side corresponding to the at least one retaining rod of the swinging retainer plate. When attached the portable computer to the top face of the base member, the at least one recessed locating hole of the portable computer is respectively inserted into engagement with the protruded retaining portion of each stop flange, and the swinging retainer plate is turned upwards to the top face of the base member to force the at least one retaining rod insert into the at least one retaining hole of the portable computer to lock the portable computer to the base member. So the

portable computer can closely attached to the base member and locked in position for carrying and storage conveniently.

BRIEF DESCRIPTION OF THE DRAWINGS

5 FIG. 1 is an exploded view of the preferred embodiment of the present invention.

 FIG. 2 is another exploded view of the preferred embodiment of the present invention.

 FIG. 3 is an enlarged view of a part of the present invention showing
10 the portable computer attached to the base member before locking of the swinging retainer plate.

 FIG. 4 is similar to FIG. 3 but showing the swinging retainer plate locked to the portable computer.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

15 Referring to FIGS. 1 and 2, a portable computer and base member receiving arrangement in accordance with the present invention is shown comprised of a base member **1** and a portable computer **2**. The base member **1** has a top face **10**, a front side **11**, a rear side **12**, a left side **13**, a right side **14**, a keyboard **18** provided at the top face **10**, two stop flanges **15**
20 respectively protruded upwardly from the top face **10** at two distal ends of the rear side **12**, a front recess **110** formed in the front side **11** on the middle position, a swinging retainer plate **17** pivoted to the front recess **110** and upwardly turnable to the top face **10**. The stop flanges **15** are L-shaped flanges respectively extended from the rear side **12** toward the left side **13**

and right side **14**, each having a protruded retaining portion **151** transversely protruding in direction toward the front side **11**. The swinging retainer plate **17** comprises two retaining rods **171**, which are suspended above the top face **10** when the swinging plate **17** turned toward the top face

5 **10**.

The portable computer **2** according to the present preferred embodiment is a tablet PC having a display face **20**, a front peripheral side **21**, a rear peripheral side **22**, two recessed locating holes **221** respectively disposed in the rear peripheral side **22** near the two distal ends

10 corresponding to the protruded retaining portions **151** of the stop flanges **15**, two retaining holes **211** formed in the front peripheral side **21** corresponding to the retaining rods **171** of the swinging retainer plate **17** at the front side **11** of the base member **1**.

Referring to FIGS. 3 and 4 and FIGS. 1 and 2 again, when receiving

15 the equipment, hold the portable computer **2** in a slightly inclined position relative to the base member **1** with the display face **20** of the portable computer **2** facing the top face **10** of the base member **1**, and then closely attach the portable computer **2** to the top face **10** of the base member **1** to force the recessed locating holes **221** of the portable computer **2** inserted

20 into engagement with the protruded retaining portions **151** of the stop flanges **15**, and then turn the swinging retainer plate **17** upwards to the top face **10** of the base member **1** to force the retaining rods **171** of the swinging retainer plate **17** inserted into the retaining holes **211** of the portable computer **2**, and therefore the portable computer **2** is closely secured to the

top face **10** of the base member **1** and locked thereto for carrying and storage conveniently.

Referring to FIGS. 1 and 2 again, the base member **1** can be made having two additional L-shaped stop flanges **15** respectively protruded upwardly from the top face **10** at two distal ends of the front side **11** and respectively extended along the left side **13** and the right side **14**, i.e., a L-shaped stop flange **15** is respectively disposed in each of the four corners of the base member **1** for stopping the portable computer **1** in position after placement of the portable computer **2** on the top face **10** of the base member **1**.

Further, the recessed locating holes **221** in the rear peripheral side **22** of the portable computer **2** and the retaining holes **211** in the front peripheral side **21** of the portable computer **2** can be respectively formed on the middle position of the wall thickness (height) of the portable computer **2** so that the portable computer **2** can be closely be attached to the base member **1** with the display face **20** received to the top face **10** of the base member **1**, or alternatively with the display face **20** disposed opposite to the top face **10** of the base member **1**.

Although the present invention has been explained in relation to its preferred embodiment, it is to be understood that many other possible modifications and variations can be made without departing from the spirit and scope of the invention as hereinafter claimed.